

Minutes of Exchange of Information Meeting
Colorado Department of Health
Rockwell International, Aerospace Operations



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Date: 28 March 1989

Location: Broomfield City
Council Chambers

Attendees:

G. Mathews	- Boulder Cnty. Health Dept.
S. Ramer	- City of Westminster
S. Daniels	- City of Arvada
P. Eloffson-Gardine	- Concerned Health Technicians for a Cleaner Colorado
N. Miullo	- U. S. Environmental Protection Agency
H. Mahan	- City of Broomfield
K. Schnoor	- City of Broomfield
R. Gamewell	- Colorado Dept. of Health
A. Hazle	- Colorado Dept. of Health
R. Terry	- Colorado Dept. of Health
C. Jierree	- U. S. Dept. of Energy
N. Daugherty	- Rockwell International
K. Dorr	- Rockwell International
P. Etchart	- Rockwell International
F. Hobbs	- Rockwell International
G. Setlock	- Rockwell International

N. Daugherty announced that there were no changes to the List of Radioactive Materials Used or Handled at the Rocky Flats Plant since the last quarterly update.

S. Ramer presented the City of Westminster Radiation Data Monthly Report for February 1989. All data were within the levels of background radioactivity concentrations.

K. Schnoor presented the City of Broomfield Radiometric Monitoring Report. All data were within the levels of background radioactivity concentrations. Schnoor commented that the somewhat higher concentrations of gross alpha and beta activity seen at the Walnut Creek at Indiana St. sampling location were likely the result of increased sediment in the samples. The samples were taken from a discharge that followed a dry period for this drainage and the samples showed an increased level of mud in the water.

R. Terry presented the Colorado Department of Health Environmental Surveillance Report for February 1989. All analytical results for the report were typical of those seen in the past. A reanalysis of the December 1988 composite water sample for Pond B-5 gave a filtered water plutonium-239, -240 concentration of 0.09 ± 0.01 pCi/l and a sediment Pu-239, -240 concentration of 21.85 ± 0.50 pCi/g. Total mass of the sediment

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was not available at this time, but will be reported later. The original unfiltered plutonium in water concentration was 2.39 ± 0.04 pCi/l.

N. Daugherty presented the February, 1989, Rocky Flats Environmental Surveillance Report. All data were within expected ranges, with the possible exception of the airborne effluent data for beryllium. This data set appeared to be showing unusually low beryllium concentrations, and Rocky Flats Plant is investigating the analyses to determine if a negative bias exists on the data. Reanalysis of the December 1988 ambient air sample for the Superior community sampler gave a plutonium in air concentration of 0.000033 pCi/m³. This was similar to the original result of 0.000050 pCi/m³. Other sampling results during this sampling period indicated that the Superior location concentration was unrelated to Rocky Flats Plant activities at that time. It is possible that construction activities in the vicinity of the sampler may have resulted in a resuspended particle or particles that raised the measured concentration for this sampler. The City of Superior is performing a utilities upgrade that includes burying utilities lines, and they have indicated that the Rocky Flats Plant air sampler at this location will need to be moved in the near future. There were no violations of the Rocky Flats Plant Environmental Protection Agency National Pollutant Discharge Elimination System (NPDES) permit for the month of February. It was announced that there would be a briefing and discussion concerning a chromic acid spill from building 444 at the evening meeting of the Rocky Flats Plant Monitoring Council.

K. Dorr presented the March, 1989, Engineering Update. The following General Interest Projects were included: Roof Repairs for various buildings, Laundry Facility, Upgrade of Building 889, Onsite Nitrogen Plant, and a new radiometric Calibration Laboratory. Environmental Interest Projects included: Exhaust Plenum Modifications (Bldg 771), Plenum 107 Fan Upgrade (Bldg 707), FU-1 Plenum (Bldg 771), FU-2B Plenum (Bldg 771), Exhaust Fan Upgrade (Bldg 444), and addition of a pilot program polyurethane drying bed for building 995. A. Hazle, CDH, asked where the water effluent from the new laundry facility would be treated. Dorr did not know for sure. [Note: In a telephone conversation of 30 March 1989, N. Daugherty told A. Hazle that the new laundry would be divided into two areas: the first would launder clothing which had no detectable contamination but originated from Plant process areas. The water effluent from that area would be directed to process waste treatment. The second area would launder clothing from non-process areas. The water effluent from that facility would be directed to the Plant sanitary waste treatment facility.]

There were no changes to the monitoring programs for the City of Broomfield, the City of Westminster, or the Rocky Flats Plant. R. Terry announced changes to the Colorado Department of Health Environmental Surveillance Report that included the revision of

appendices to update the information contained in them and to provide further clarification for the report.

No new agenda items were proposed for the next meeting.

The next monthly Environmental Information Exchange Meeting will be held at 1:30 pm, Tuesday, April 25, 1989, at the Colorado Department of Health, Denver, CO, Room 150.

- Nancy M. Daugherty

Nancy M. Daugherty, Senior Principal Health Physicist
Environmental Management
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